110825

Page 1

January-07-14	3:08:55 PM	BIIO	000	1 11	10/:)						1	_
Item ID: Revision ID:	D3499-5		_	Accept	*N900	040	100)* s	etup Star	17	S1*	
Item Name:	Placard		12,						Stoj	, * N	S2*	
Start Date:	1/07/14	Start Qty: 4.00	*4*		Cust Item 1	D:						
Required Date:	1/07/14	Req'd Qty: 4.00	*4*		Customer:							
Reference:												
Approvals:	Process Pla	n: MLJ	Date: 14-01-0	Tooling:	D	ate:		R	Run Star	~I/J	R1*	
	QC:		Date:	SPC (Y/N):	D	ate:			Sto	, *N	R2*	
Sequence ID/ Work Center II	D	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp	
Draw Nbr	Rev	ision Nbr										
D3499	Rev	C										
100				0.00								
100		PURCHASING						CZ	14/	01/44	12	
Purchasing		Memo	0 -1(0.00						<u> </u>		
Purchasing		Issue P/O:	22606 s per Dwg D3499					•				
		Possible Su	ipplier: Studio Lettrage	•								
		Material re	lease note is required									
110		Receive & Inspect for I	Damage & Mat'l Certs	0.00					2 /	/ /		
110		•							14/01/	20 (1	,)	
Packaging		Memo		0.00				70	14/1	0		
Packaging		Ensure Ma	terial Release Note is attac	hed					. /			
				-10	•							
				DAS 27								
120	• •	QC6- Inspect dimension	ns to drawing	63-e 00.0				10				
120				M1116	2(12				
QC		Memo		0.00	1							
Quality Control							•					

DQA: _ QA Closed:			Date:			WORK ORDER NON	-C(ONFOI	RMANCE / L	JPDATE 💥	をいえ るのい と Work Order up	odate only	DAR	T CE
Work Orde	r: _					DISPOSITION			a □		DEPARTMENT	- 		¬
Part N	-				<u> </u>	Rework Scrap Use-as-is Suspected Unapproved			Skid-tube Machining noforming Large Fab	Crosstube Small Fab Finishing Composite		Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other	- - -
Root					Desci	ription of work order update		Initial	A	ction	Sign &			
Cause		Date	Step	Qty		or non-conformance	Ch	ief Eng	Des	cription	Date	Verification	n QC Inspecto	r
Design Doc/Data Equip/Tooling Handling/Pre Material Operator Offset/Setup Process Supplier Training Transport Unapproved														
							FA	ULT CA	TEGORY					
Landing Gear Bending Centre Not Concentric Cracks Crimp/Kink/Ripple/Wave Cuffs Crushing Heat Treat Inspection Strip in Tube Marks/Chatter Turning Sequence			General Bend BOM/Route Broken/Damage/Defect Burrs Contamination Countersink Cut Too Short Drawing Drill Holes Finish		Folio/Program Grain Hardware Inspection Incomplete/Unqualified Instructions Incomplete/Unclear Misaligned/off center Mislabeled Misread Off-set Out of Calibration			Outside Dim Over/Under Part Incorre Part Lost/M Part Moved Positioned \(\) Power Loss/	tolerance ct issing Wrong	Pressure/Forced Set-up Temperature/Cur Weld Wrong Stock Pull				
		Wave/Tw	ist in Tul	эе		Fit/Function		Out of	Sequence					

Work Order ID 110825 *110825* Page 2 January-07-14 3:08:55 PM Accept D3499-5 Setup Start Item ID: *N900040100* **Revision ID:** Stop **Item Name:** Placard *4* Start Oty: 4.00 1/07/14 **Start Date: Cust Item ID:** Req'd Qty: 4.00 Required Date: 1/07/14 *4* **Customer:** Reference: Start Run Process Plan: Tooling: **Approvals:** Date: Date: Stop QC: Date: _____ SPC (Y/N): Date: Tool # Plan Reject Reject Insp. Sequence ID/ Operation Set Up/ Tool ID Accept Qty Qty Stamp Code Number **Work Center ID Description Run Hours** Identify as per dwg & Stock Location: 81052 0.00 130 *130* 0.00 Packaging Memo Packaging

140

QC21- Final Inspection - Work Order Release

0.00

140

Memo

0.00

Quality Control

15-10-51 MLJ 14-01-51

MLJ_

DQA:			Date:										TRACT	
						WORK ORDER NON-CONFORMANCE / UPDATE								
QA Closed:			Date:							Wo	ork Order up	date only		
Work Order:				DISPOSITION			A							
WOIK OIU	٠					Rework	1		Skid-tube Cr	osstube		Water Jet	Engineering	
Part N	do					Scrap			—	mall Fab	Proc	d. Eng. Coor.	Quality	
raici	•0.					Use-as-is	1		~ <u>~</u>	inishing		e/Packaging	Other	
NCR I	٧o.					Suspected Unapproved	1 1		~ —	mposite		Supplier		
	•						•							
Root					Desc	ription of work order update	I	nitial	Action		Sign &	<u>.</u>		
Cause		Date	Step	Qty		or non-conformance	Ch	ief Eng	Description	n	Date	Verification	QC Inspector	
Design					F		ļ							
Doc/Data														
Equip/Tooling				·										
Handling/Pre	Ш		1						1					
Material	Щ													
Operator	Ш			l t										
Offset/Setup	Щ													
Process									1					
Supplier														
Training	H													
Transport	H						1							
Unapproved	}	<u> </u>	<u> </u>	<u> </u>	i		FΔ	III T CA	TEGORY					
Landi	nø (Sear				General	17	OLI CA	TEGORT .					
- Luniu.		Bending				Bend		Teolio/F	Program		Outside Dim	ensions [Pressure/Forced	
		Centre No	ot Concer	ntric		BOM/Route		Grain			Over/Under	<u> </u>	Set-up	
		Cracks				Broken/Damage/Defect		Hardwa	are		Part Incorred		Temperature/Cure	
	Г	Crimp/Kii	nk/Ripple	/Wave		Burrs		Inspect	ion Incomplete/Unquali	ified	Part Lost/Mi	ssing	Weld	
		Cuffs	• • •	•		Contamination		1	tions Incomplete/Unclea		Part Moved		Wrong Stock Pulled	
		Crushing				Countersink	\vdash	4	gned/off center		Positioned W	/rong		
	Г	Heat Trea				Cut Too Short	Г	Mislab		-	Power Loss/	Surge	Other	
		Inspectio	n Strip in	Tube		Drawing		Misrea	d					
		Marks/Cl	natter			Drill Holes		Off-set						
		Turning S	equence			Finish		Out of	Calibration					
		Wave/Tw	vist in Tub	oe .		Fit/Function		Out of	Sequence					

Work Order ID:

110825

Parent Item:

D3499-5

Parent Item Name:

Placard

Start Date: 1/07/14

Required Date: 1/07/14

Start Qty: 4.00

Required Qty: 4.00

Comments:

IPP Rev:A New Issue 06-05-05 JLM

IPP Rev:B As per Rev B 06-08-31 JLM

verified by:EC

IPP Rev:C as per dwg revC DD 10.02.23

	verified by.LC												
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3499-5P		Purchased	No	***		110	Each	0.0000	1	4			
Placard									ezz.		· · · · · · · · · · · · · · · · · · ·		

B 110825 Hos W14/01/20

DQA: Date:						WORK OBDED NON	DART						
QA Closed:			Date:			WORK ORDER NON-	AEROSPACE						
Work Order:					DISPOSITION		AGAINST DEPARTMENT/PROCESS						
Part No					Rework Scrap Use-as-is Suspected Unapproved		Skid-tube Crosstube Machining Small Fab Thermoforming Finishing Large Fab Composite		Small Fab Finishing	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier		Engineering Quality Other	
Root					Desc	ription of work order update		nitial	Action		Sign &		
Cause	\Box	Date	Step	Qty		or non-conformance	Ch	ief Eng	Descript	tion	Date	Verification	QC Inspector
Design Doc/Data Equip/Tooling Handling/Pre Material Operator Offset/Setup Process Supplier Training Transport Unapproved													
Unapproved			<u> </u>	<u> </u>		<u> </u>	EAI	III T CA	TEGORY				
Landi	na f					General	r At	OLI CA	ILJONI			· · · · · · · · · · · · · · · · · · ·	
		Bending Centre No Cracks Crimp/Kir Cuffs Crushing Heat Trea	nk/Ripple	/Wave		Bend BOM/Route Broken/Damage/Defect Burrs Contamination Countersink Cut Too Short Drawing		Grain Hardwa Inspect Instruct	cion Incomplete/Unqu tions Incomplete/Und gned/off center eled		Outside Dim Over/Under Part Incorred Part Lost/Mi Part Moved Positioned V Power Loss/	tolerance ct ssing	Pressure/Forced Set-up Temperature/Cure Weld Wrong Stock Pulled Other
	}—	Marks/Ch	-			Drill Holes		Off-set					
		Turning S				Finish		4	Calibration				
		Wave/Tw	<u>rist in T</u> uk	oe		Fit/Function	L	Out of	Sequence				

8 D 6.00 FONT: ARIAL BOLD RED -TEXT HEIGHT: 0.88" TEXT WIDTH: 5.17" 0.43 110825 MW 14-01-08 NO STEP Ç FONT: ARIAL BOLD RED -TEXT HEIGHT: 0.06" TEXT WIDTH: 0.32" 1.75 D3499-5 0.13 0.44 - 0.13 DETAIL C 85-4 D3499-5 PLACARD NOTES:

1) MATERIAL: RED LETTERS ON WHITE ADHESIVE BACK VINYL
MANUFACTURED FROM 3M 7 MIL MASKING FILM #8522CP OR
AVERY IPM #2031, SIZE IS 6.00" LONG" x 1.75" WIDE DESIGN DART AEROSPACE USA, INC. 2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: NONE
7) WEIGHT: N/A DRAWN PORT HADLOCK, WA CHECKED DRAWING NO. REV. C D3499 MFG, APPR. SHEET 4 OF 4 APPROVED SCALE **CABLE GUARD** DE APPR. DATE COPYRIGHT © 2005 BY DART AEROSPACE USA, INC.
THE COCUMENT IS PROVIDE AND CONFIDENTIAL AND IS EMPLED ON THE COPIES CONDITION NOT TO BE USED FOR ANY PURPOSE OF COPIES OF COMMUNICATED TO ANY OTHER REPROVI 09.06.19



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO22606

Purchase Order Date 1/14/2014 PO Print Date 1/14/2014

Page Number 3 of 4

Order From:

STUDIO DE LETTRAGE 2001 210 MAIN WEST HAWKESBURY, ON K6A 2H6 CA

VC-STU001

Ship To: DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

613 632 5449

Chantal Lavoie

Customer POID

Customer Tax # **Terms**

10127-2607 Net 30

Currency

Buyer

CAD

Ship Via: Ship Acct: Yours ppd

FOB

Destination-Collect

D3499-5P

Placard

1/22/2014

1/22/2014

Yes

12.00 Each

\$6.67

Line Total:

\$80.00

\$80.00

AS PER DWG D3499 REV. C

B110825

\$80.00

D4307-250P

Placard, Max Load

1/22/2014 Yes

1/22/2014

12.00 Each

\$6.67

\$80.00

AS PER DWG D4307 REV. A

B110966

Line Total:

Line Total:

\$80.00

D4896-3P

Weight Placard

1/22/2014

1/22/2014

Yes

12.00 Each \$6.67

\$80.00

AS PER DWG D4896 REV. B

B110905

Note:

Studio de Lettrage 210 Main Street W Hawkesbury, Ontario K6A 2H6

INVOICE

Invoice No.:

21506

Date:

01/17/2014

Ship Date:

Page:

Re: Order No.

WO11655

Sold to:

Dart Aerospace Ltd

1270 Aberdeen Hawkesbury, Ontario K6A 1K7

Ship to:

Dart Aerospace Ltd

Hawkesbury, Ontario

Business No.:

82500 7651 RT0001

Item No.	Unit	Quant v	Description 5	Tax	Unit Price	Amount
		20 20 12 12 12 12 12 12 12 12	D2137P D2268P D2269P D3108-5P D3428-1P D3997-37P D3499-5P D4307-250P D4896-3P D4917-310P D4917-343P PO# 22606	H H H H H H H H H H H H H H H H H H H	6.6667 4.0000 4.0000 6.6667 6.6667 6.6667 6.6667 6.6667 6.6667	80.00 80.00 80.00 80.00 80.00 80.00 80.00 80.00 80.00 80.00
			H - HST 13% HST		·	114.40
Studio de Lettrage	HST: #825007651F	3T0001				
Shipped By: Comment:	Tracking N				Total Amount	994.40
Sold By:					de Constitution	

****Certificate of Conformity****									
Studio Lettrage									
	Packing Slip #:	Part #:	Serial #:						
Description:		Quantity:							
Certification:									
We hereby certify that:									
The above the lister accordance with ap	d items were manufact plicable drawings and/	ured, repaired and/or in or specifications;	spected in						
All work was accom Purchase Order;	plished in accordance	with the Dart Aerospac	e						
which shows the acc	ctions, chemical or phy ceptability of raw mater file and available for in	sical tests, as well as o ials, parts and/or asser spection at any time.	ther evidence, nbly						
<u>Authority:</u>									
avery									
APPROVAL: 34NT	DY COLIN	DATE:							
Signature: Sunc	of Colin	17 Jan	n 2014,						
Title: Powerf	arrelination								

PRODUCT DATA SHEET



Avery® IPM™ 2031

issued: 01/04/2005

Introduction

Avery[®] IPM™ 2031 is a high quality pressure-sensitive vinyl film, designed for use on wide format inkjet printers. Avery[®] IPM™ 2031 has excellent printing properties, allowing crisp print quality with bright and vibrant colours. Avery[®] IPM™ 2031 offers rapid ink drying and a water-resistant material. It combines good adhesion during its life and easy removal afterwards.

Description

Facefilm:

80-micron premium white calendered, topcoated vinyl.

ليستان المسابسيان في المعمل المعادل المعادلة المعادل المعادل والمنافي والمراز المراكة كالمكافية ويكون

Adhesive:

removable, acrylic based

Backing paper: one side coated kraft paper, 140 g/m²

Features

- Excellent printability
- Vibrant and bright colours
- Crisp print quality
- Spray water resistant wit specific pigmented inks
- Good adhesion, excellent removability
- Warranty on outdoor durability

Recommendations for use

A wide variety of full-colour graphics for indoor - and **short/medium term outdoor** applications such as posters, murals, displays, exhibition stands, vehicle graphics etc. Avery[®] IPM[™] 2031 is suitable for application to a wide variety of substrates and will remove cleanly for up to 1 year after application.

IPM media should be handled with care as any surface contamination may affect the print quality. Media should be processed in an environment of 15-25°C and 30-70% relative humidity. After drying, the finished prints should be wrapped in polyethylene film and despatched flat or rolled with the printed side facing outwards. To protect prints against water, UV/light and abrasion, overlamination with a clear film is recommended. For specific details of Avery® DOL combinations, refer to "Technical Bulletin 5.3. Recommended combinations of Avery® Overlaminates and Avery® Digital Print Media"

Always test your combination of Avery[®] IPM™ medium, inkjet printer and inks prior to commercial use.

Compatibility

Avery® IPM™ 2031 is compatible with a broad selection of inkjet printers, when printing with pigmented, water based inks. For specific details refer to "Technical Bulletin 5.6 Avery Dennison Inkjet Print Media - Printer compatibility".

Durability:

Avery[®] IPM[™] 2031 is warranted for outdoor use in conjunction with pigmented outdoor inks from HP, Encad and Colorspan. The warranted period varies from type of application and type of overlaminate from 18 months up to 5 years. For full details, see our Avery[®] IPM[™] Outdoor warranty.





PRODUCT CHARACTERISTICS

Physical properties

Features

Caliper, facefilm

Gloss

Dimensional stability

Adhesion, initial Adhesion, ultimate

Flammability

Accelerating ageing

Shelf life

Removability

Not when applied to: Nitro-cellulose paints, ABS, Polystyrene, certain types of PVC

Durability²

Overlaminated with DOL 4300

Test method¹

ISO 2813, 20°

FINAT FTM-1, stainless steel

FINAT FTM-1, stainless steel

DIN 53587, 500h exposure

Stored at 22° C/50-55 % RH

ISO 534

DIN 30646

Overlaminated with DOL 1000, DOL 1100

with overlaps

Overlaminated without overlaps

for static applications only

Without overlaminate and used for static,

Non-abrasive application ONLY

Results

80 µm

1%

0.3 mm. max

180 N/m

260 N/m

Self extinguishing

No negative impact on film

Performance

2 years up to 1 year

5 years

3 years

2 years

18 months

Only when printed with ENCAD GO, HP and Colorspan pigmented inks and when properly applied in accordance with our application instructions. Only applicable for vertical exposure.

Temperature range

Features

Application temperature Service temperature

Results

Minimum: +10°C -20°C to +80°C

Important

Information on physical and chemical characteristics is based upon tests we believe to be reliable. The values listed herein are typical values and are not for use in specifications. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material to their specific use.

All technical data are subject to change. In case of any ambiguities or differences between the English and foreign versions of these Conditions, the English

Warranty

Avery® branded materials are manufactured under careful quality control and are warranted to be free from defect in material and workmanship. Any material shown to our satisfaction to be defective at the time of sale will be replaced without charge. Our aggregate liability to the purchaser shall in no circumstances exceed the cost of the defective materials supplied. No salesman, representative or agent is authorised to give any guarantee, warranty, or

make any representation contrary to the foregoing.

All Avery branded materials are sold subject to the above conditions, being part of our standard conditions of sale, a copy of which is available on request.

1) Test methods

More information about our test methods can be found on our website.

The durability is based on middle European exposure conditions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing south; in areas of long high temperature exposure such as southern European countries; in industrially polluted areas or high altitudes, exterior performance will be decreased.



